Search Results

Results for "**(((graphical development serialize library medical)<in>metadata)) <and> (pyr >= 199...**"
Your search matched **0** documents.
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(((graphical development serialize_library medical)<in>metadata)) <and>

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» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer to the Help pages assistance revising your search.

Results for "**(((visual* development medical)<in>metadata)) <and> (pyr >= 1990 <and> pyr &l...**"
Your search matched **0** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

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(((visual* development medical)<in>metadata)) <and> (pyr >= 1990 <an

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» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer to the Help pages assistance revising your search.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	386	717/108.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/01 15:20
L2	14	717/108.ccls. and library and (graphic$4 or visual$2 or ide or icon$6 or (drag near3 drop)) and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/01 15:25
L3	3	717/178.ccls. and library and (graphic$4 or visual$2 or ide or icon$6 or (drag near3 drop)) and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/01 15:24
L4	2	717/172.ccls. and library and (graphic$4 or visual$2 or ide or icon$6 or (drag near3 drop)) and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/01 15:22
L5	134	717/172.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/01 15:21
L6	319	717/178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/01 15:22
S1	1783	tool and wit	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:51
S2	357	tool and wit and visual	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:53
S3	0	tool and wit and visual and (logical and vision).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:52

S4	0	(logical and vision).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:52
S5	0	software adj development adj tool same wit	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:53
S6	286	tool and wit and visual and develop$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:53
S7	0	tool and wit and visual and develop$4 and (library near5 (data adj flow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 12:26
S8	14	("5235510" "5668998" "5850548" "5950002" "6157194" "6279030" "6282699").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 12:28
S9	6	"20020029376" or "20020113590" or "20030039392"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 12:28
S10	1	("5850548" "6157194").pn. and medical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 12:44
S11	13	(visual$7 or graphical$2) adj (program$4 or develop$4) same medical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/15 16:19
S12	2897	(visual$7 or graphical$2) near3 (program$4 or develop$4) and medical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/15 16:20
S13	208	(visual$7 or graphical$2) near3 (program$4 or develop$4) same medical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 15:43

S14	3	(visual$7 or graphical$2) near3 (program$4 or develop$4) same medical and 717/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/15 16:27
S15	0	"5950002".URPN.	USPAT	OR	OFF	2004/06/15 16:25
S16	5	("5159687" | "5235510" | "5465378" | "5660176" | "5704371").PN.	USPAT	OR	OFF	2004/06/15 16:25
S17	207	717/109.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/15 16:27
S18	55	717/109.ccls. and java	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/15 16:27
S19	31	717/109.ccls. and java and imag$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/15 16:27
S20	26910	("magnetic resonance imaging system" or mri)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 12:46
S21	1	("magnetic resonance imaging system" or mri) and (server same memory same workstation same graphical)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 14:14
S22	1399	382/128.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 14:14
S23	380	382/128.ccls. and ("magnetic resonance imaging system" or mri)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 14:15
S24	97	382/128.ccls. and ("magnetic resonance imaging system" or mri) and (workstation or terminal or client) and (graphical$2 or visual$2 or icon$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 14:17

S25	11	382/128.ccls. and ("magnetic resonance imaging system" or mri) and (workstation or terminal or client) and (graphical$2 or visual$2 or icon$6) and (component or object) and coil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 14:38
S26	11	("4720679" | "5602476" | "5617028" | "5652514" | "5701074" | "5909119" | "5995863" | "6016057" | "6091243" | "6147492" | "6263228").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/29 14:27
S27	6	("5051903" | "5697370" | "5907593" | "5928145" | "6061423" | "6101234").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/29 14:33
S28	834	("magnetic resonance imaging system" or mri) and (workstation or terminal or client) and (graphical$2 or visual$2 or icon$6) and (component or object) and coil and (download$3 or transmit$4 or send$3 or receiv$3) and (signal or waveform or pulse or wave)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 14:42
S29	117	("magnetic resonance imaging system" or mri) and (workstation or terminal or client) and (graphical$2 or visual$2 or icon$6) same (component or object or application) and coil and (download$3 or transmit$4 or send$3 or receiv$3) and (signal or waveform or pulse or wave) and (graphical$2 or visual$2 or icon$6) same (link$3 or wir$3 or connect$3) and (modify$3 or alter$5 or build$3 or modification or adapt$3 or correct$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 15:11
S30	23	("4707797" | "4830012" | "5345176" | "5451876" | "5498963" | "5512827" | "5541513" | "5560361" | "5584293" | "5606258" | "5657757" | "5711300" | "5749834" | "5810729" | "6157194" | "6166544" | "6198283").PN. OR ("6362620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/29 14:53

S31	52	("magnetic resonance imaging system" or mri) and ((fourier or fft) and magnitude and phase) and (workstation or terminal or client) and (graphical$2 or visual$2 or icon$6) same (component or object or application) and coil and (download$3 or transmit$4 or send$3 or receiv$3) and (signal or waveform or pulse or wave) and (graphical$2 or visual$2 or icon$6) same (link$3 or wir$3 or connect$3) and (modify$3 or alter$5 or build$3 or modification or adapt$3 or correct$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 15:36
S32	13	("5850548" "6718533" "5668998" "6157194" "5602934" "6053951").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 15:41
S33	2633	324/309.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 15:42
S34	2256	324/307.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 15:42
S35	259	(visual$7 or graphical$2) near3 (program$4 or develop$4) same medical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 15:43
S36	0	S33 and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 15:43
S37	1	S34 and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 15:43
S38	339	("magnetic resonance imaging system" or mri) and dicom	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:24

S39	293	("magnetic resonance imaging system" or mri) and dicom and (develop$4 or framework or creat$3 or tool or toolkit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 16:42
S40	262	("magnetic resonance imaging system" or mri) and dicom and (develop$4 or framework or creat$3 or tool or toolkit) not (ge. as. or (general and electric).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:04
S41	6	("magnetic resonance imaging system" or mri) and dicom and (develop$4 or framework or creat$3 or tool or toolkit) not (ge. as. or (general and electric).as.) and (download$3 or upload$3 or upgrad$3 or install$5 or transmit$4) near5 (real-time or (real adj time))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:08
S42	66	(develop$4 or framework or creat$3 or tool or toolkit) and (download$3 or upload$3 or upgrad$3 or install$5 or transmit$4) near5 (real-time or (real adj time)) and (jar or serialize)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:10
S43	3012075	(develop$4 or framework or creat$3 or tool or toolkit) and (download$3 or upload$3 or upgrad$3 or install$5 or transmit$4) near5 (real-time or (real adj time)) and (jar or serialize) amd (medical or imag$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:11
S44	45	(develop$4 or framework or creat$3 or tool or toolkit) and (download$3 or upload$3 or upgrad$3 or install$5 or transmit$4) near5 (real-time or (real adj time)) and (jar or serialize) and (medical or imag$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:11
S45	372	("magnetic resonance imaging system" or mri) and (polariz$3 near3 magnet) and (gradient near3 coil) and (rf near3 coil) and (puls$3 or sequenc$3 or wave$4 or carrier or signal$4) and (fft or fourier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/29 17:29

S46	387	("magnetic resonance imaging system" or mri) and (polariz$3 near3 magnet) and (gradient near3 coil) and (rf near3 coil) and (puls$3 or sequenc$3 or wave$4 or carrier or signal$4) and (fft or fourier) and (library or component or dll)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 17:30
S47	105	("magnetic resonance imaging system" or mri) same (polariz$3 near3 magnet) same (gradient near3 coil) same (rf near3 coil) and (puls$3 or sequenc$3 or wave$4 or carrier or signal$4) and (fft or fourier) and (library or component or dll)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 17:32
S48	1	("magnetic resonance imaging system" or mri) same (library or component or dll) same (polariz$3 near3 magnet) same (gradient near3 coil) same (rf near3 coil) and (puls$3 or sequenc$3 or wave$4 or carrier or signal$4) and (fft or fourier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 17:31
S49	56	("magnetic resonance imaging system" or mri) same (polariz$3 near3 magnet) same (gradient near3 coil) same (rf near3 coil) and (puls$3 or sequenc$3 or wave$4 or carrier or signal$4) and (fft or fourier) and (library or component or dll) not (ge.as. or (general and electric).as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:18
S50	0	"component for downloading executable"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:19
S51	26	717/10?.ccls. and (component near3 download$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:24
S52	56541	(generat$4 or develop$4 or creat$3) near3 (software or application or program) and (download$3 or transmit$4 or deliver$3 or integrat$3) near3(executable or software or application or program or component or segment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:44

S53	6174	(generat$4 or develop$4 or creat$3) near3 (software or application or program) same (visual$2 or graphical$2 or icon$6) and (download$3 or transmit$4 or deliver$3 or integrat$3) near3(executable or software or application or program or component or segment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:45
S54	963	(generat$4 or develop$4 or creat$3) near3 (software or application or program) same (visual$2 or graphical$2 or icon$6) same (download$3 or transmit$4 or deliver$3 or integrat$3) near3(executable or software or application or program or component or segment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:45
S55	139	717/???.ccls. and (generat$4 or develop$4 or creat$3) near3 (software or application or program) same (visual$2 or graphical$2 or icon$6) same (download$3 or transmit$4 or deliver$3 or integrat$3) near3(executable or software or application or program or component or segment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 10:51
S56	95	717/???.ccls. and (generat$4 or develop$4 or creat$3) near3 (software or application or program) same (visual$2 or graphical$2 or icon$6) same (download$3 or transmit$4 or deliver$3 or integrat$3) near3(executable or software or application or program or component or segment) and (library or dll)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 15:08
S57	2	"5835712".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/30 15:09
S58	5	("5850548" "6718533").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 11:48

S59	12	monet near5 (component or program$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 11:50
S60	1	monet and "visual programming"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 11:50
S61	8	monet and (visual$2 or graphical$2) near2 (program$4 or component or language)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 11:52
S62	1	monet and borland.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:18
S63	1265	(modify$3 or modification) near3 ("real time" or "real-time" or "realtime")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:24
S64	0	(modify$3 or modification) near3 ("real time" or "real-time" or "realtime") and seraliz$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:24
S65	22	(modify$3 or modification) near3 ("real time" or "real-time" or "realtime") and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:39
S66	5	("20020113590" | "6348793" | "6636038").PN. OR ("6741672"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/01 14:28
S67	15	("4931760" | "5144242" | "5349296" | "5512825" | "5519320" | "5581183" | "5606258" | "5726571" | "6044290" | "6230039" | "6275038").PN. OR ("6636038"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/01 14:37
S68	200	(updat$3 or upgrad$3) near3 ("real time" or "real-time" or "realtime") and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:40

S69	201	(updat$3 or upgrad$3 or patch$3) near3 ("real time" or "real-time" or "realtime") and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:40
S70	78	(updat$3 or upgrad$3 or patch$3) near3 ("real time" or "real-time" or "realtime") and serializ$5 and (library or repository or database) and (medical or imag$3 or mri) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:52
S71	324	(updat$3 or upgrad$3 or patch$3) near3 (control) and serializ$5 and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:53
S72	241	(updat$3 or upgrad$3 or patch$3) near3 (control) and serializ$5 and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop") and ("real time" or "real-time" or "realtime")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:54
S73	190	(updat$3 or upgrad$3 or patch$3) near3 (control) and serializ$5 and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop") and ("real time" or "real-time" or "realtime") and (medical$2 or imag$3 or mri or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 15:10
S74	168	S73 not S70	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:55
S75	5	(serializ$5 near5 download$3) and (updat$3 or upgrad$3 or patch$3 or modify of modification) near3 (component or code or program or application) and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop" or "user interface") and ("real time" or "real-time" or "realtime" or control) same (medical$2 or imag$3 or mri or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 15:06

S76	37	(hot adj swap$4) same (medical$2 or imag$3 or mri or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 15:08
S77	127	(updat$3 or upgrad$3 or patch$3) near3 (medical$2 or imag$3 or mri or medicine) and serializ$5 and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop") and ("real time" or "real-time" or "realtime") and (medical$2 or imag$3 or mri or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 15:10
S78	135	(updat$3 or upgrad$3 or patch$3 or modify) near3 (medical$2 or imag$3 or mri or medicine) and serializ$5 and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop") and ("real time" or "real-time" or "realtime") and (medical$2 or imag$3 or mri or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 15:11
S79	4	(updat$3 or upgrad$3 or patch$3 or modify) near3 (medical$2 or mri or medicine) and serializ$5 and (library or repository or database) and (gui or ui or graphical$2 or visual$2 or icon$6 or "drag and drop") and ("real time" or "real-time" or "realtime") and (medical$2 or mri or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 15:12
S80	512	(updat$3 or upgrad$3 or patch$3 or modify) near3 ((medical$2 or mri or medicine) near2 (equipment or machin$3 or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:13
S81	3	(updat$3 or upgrad$3 or patch$3 or modify) near3 ((medical$2 or mri or medicine) near2 (equipment or machin$3 or device)) and serializ$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:13
S82	439	(updat$3 or upgrad$3 or patch$3 or modify) near3 ((medical$2 or mri or medicine) near2 (equipment or machin$3 or device)) and (component or object)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:14

S83	195	(updat$3 or upgrad$3 or patch$3 or modify) near3 ((medical$2 or mri or medicine) near2 (equipment or machin$3 or device)) and (component or object) and download$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:22
S84	10	(updat$3 or upgrad$3 or patch$3 or modify) near5 ((medical$2 or mri or medicine) near5 (equipment or machin$3)) and (component or object) and download$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:24
S85	21	(updat$3 or upgrad$3 or patch$3 or modify) near5 ((medical$2 or mri or medicine) near5 (control$3)) and (component or object) and download$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:30
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[BOOK] Java Web Services Unleashed
RJ Brunner, J Weber - 2002 - print.google.com
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AN EXTENSIBLE COMMUNICATION-ORIENTED ROUTING ENVIRONMENT FOR PERVASIVE COMPUTING
O Leon - dspace.mit.edu
... download code and transmit class instances across the network, makes network utilization completely transparent to distributed applications. **...**
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Tip: Looking for pictures? Try Google Images

Design of Thoracolumbosacral Orthosis (TLSO) Braces Using CT/MR.
H Eldeeb, N Boubekri, S Asfour, T Khalil, A ... - J Comput Assist Tomogr, 2001 - jcat.org
... 5. **Serialize** Slices starting at 000. ... The 12 **images** on each film were separated by software into ... to the market and is now used for **medical** research, imaging, and ...
Web Search - jcat.org - ncbi.nlm.nih.gov - ncbi.nlm.nih.gov

CT/MR imaging: a design tool for custom orthosis.
H Eldeeb, S Asfour, N Boubekri - 2000 - taylorandfrancis.metapress.com
... 3. Optically scan CT}MR ® lms Step 4. Cut scanned CT}MR ® lms into slices Step 5. **Serialize** slices starting ... Orientation of 3-D structures in **medical images**. ...
Web Search - ingentaconnect.com - ncbi.nlm.nih.gov

Automated Road Network Extraction from High Resolution **Images**
D Xiong - National Consortia on Remote Sensing in Transportation, ..., 2001 - riker.unm.edu
... Since then, the technique has been used on raw **images** for pixel based ... More importantly, DP provides a way to **serialize** the optimization procedure to allow ...
Cited by 3 - Web Search

DICOM structured reporting: an object model as an implementation boundary
DA Clunie - Proceedings of SPIE-The international Society for Optical ..., 2001 - dclunie.com
... with other DICOM objects such as **images** and waveforms ... that are used to parse and **serialize** binary DICOM ... ftp://**medical**.nema.org/**medical**/dicom/final/sup23_ft.pdf 2 ...
Cited by 3 - View as HTML - Web Search - dclunie.com - adsabs.harvard.edu - link.aip.org - all 6 versions »

[CITATION] The Photon4D Distributed Engine: A Distribution Layer for High Quality Rendering in Shared Virtual ...
F Diard - HPCN Europe, 1998
... on the server know how to **serialize** themselves in a ... The total rendering time for a 20 **images** fly-around ... complex because it uses a heavy **medical** imagery volume. ...
Web Search - portal.acm.org

[PS] Data-parallel tomographic reconstruction: A comparison of filtered backprojection and direct Fourier ...
JBTM Roerdink, MA Westenberg - PARALLEL COMPUT, 1998 - cs.rug.nl
... of 3D **images**, or time sequences of **images**, such as ... the most used reconstruction method in the **medical** eld, and ... Instead, one has to **serialize** one of the loops. ...
Cited by 2 - View as HTML - Web Search - ingentaconnect.com - portal.acm.org - all 7 versions »

Latecomer and Crash Recovery Support in Fault-Tolerant Groupware
MF Ionescu, I Marsic - IEEE Distributed Systems Online, 2001 - caip.rutgers.edu
Page 1. Latecomer and Crash Recovery Support in Fault Tolerant Groupware Mihail

Ionescu and Ivan Marsic Center for Advanced Information ...
Cited by 3 - View as HTML - Web Search - csdl.computer.org - dsonline.computer.org - watson.computer.org - all 8 versions »

Optimization-based method for automated road network extraction
D Xiong - 2001 - ornl.gov
... Since then, the technique has been used on raw **images** for pixel based ... More importantly, DP provides a way to **serialize** the optimization procedure to allow ...
View as HTML - Web Search - osti.gov - Library Search

An agent-based implementation of irregular pyramid for distributed image segmentation
E Duchesnay, JJ Montois, Y Jacquelet, A Kinie - Proceedings of Eighth International Conference on Emerging ..., 2001 - ieeexplore.ieee.org
... has to be processed on a sequence of **images**. ... 1) in order to assist **medical** specialists to ... else • serial-msg — **serialize** the message • receive-manager ...
Web Search - ieeexplore.ieee.org

Resource-aware metacomputing
A Acharya, M Ranganathan, J Saltz - Concurrency - Practice and Experience, 1997 - doi.wiley.com
... that contain features that are of **medical** interest ... that combines and composes weather **images** from multiple ... provide a user-level primitive to **serialize** the stack ...
Cited by 6 - Web Search - doi.wiley.com

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Scholar Results **1 - 10** of **10** for **serialize medical images + graphical development**. (**0.08** seconds)

Tip: Looking for pictures? Try Google Images

The SCIRun problem solving environment and computational steering software system
SG Parker - 1999 - cs.utah.edu
... a sequential process: compute, generate **images** and plots ... phases of **development**, application, and performance tuning ... high-level language and a **graphical** interface ...
Cited by 11 - View as HTML - Web Search

[BOOK] Paragons of the Ordinary: The Biographical Literature of Mori Ogai
M Marcus - 1992 - print.google.com
... is a very important figure in the **development** of mod ... of the arts who had received **medical** treatment from ... our appreciation of the bio- **graphical** masterpiece that ...
Web Search - Library Search

Project Integration Architecture: Application Architecture
WH Jones - Draft paper available on central PIA web site, March, 1999 - ntrs.nasa.gov
... the results of its research and **development** activities ... extension to that language and the **graphical** user interface ... for example, that she is a **medical** doctor, an ...
Cited by 10 - View as HTML - Web Search - grc.nasa.gov

An object-oriented framework for experimenting with alternative process architectures for ...
DC Schmidt, PT Suda, PG Polyzos - 1994 - deuce.doc.wustl.edu
... Systems for Enabling Empirically Guided Soft- ware **Development**," Proceedings of ... ing mechanisms that **serialize** access toshared objects (such as message buffers ...
View as HTML - Web Search - 128.252.165.3 - download.at.kde.org - zen.uci.edu - all 8 versions »

[PS] Software-based implementation of a frequency hopping two-way radio
AB Shah - 1997 - tns-www.lcs.mit.edu
... **development** tests, the rst working frequency hopping system. ... equipment that generates, and uses locally, RF energy for industrial, scientic, and **medical** ...
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Operating system services for wide-area applications
MA Vahdat, PTE Anderson, CPJD Kubiatowicz, CPAD ... - 1998 - cs.ucsd.edu
... Through a **graphical** user interface ... **medical** records. ... **images** to match its screen size and available bandwidth. The current approach is to ...
Cited by 16 - View as HTML - Web Search - cag.lcs.mit.edu - cs.duke.edu - jeffmcneill.com - all 8 versions »

[PS] Teleassistance: using deictic gestures to control robot action
PK Pook, PDH Ballard, NY Rochester - 1995 - cs.rochester.edu
... The **development** of teleassistance stems from an analysis of autonomous control, in light of recent advances in manipulator technology. ...
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Library Search

[BOOK] Embedded Systems Design: An Introduction to Processes, Tools & Techniques
AS Berger, Berger - 2001 - print.google.com
... Tools, & Techniques • Hardware/Software Partitioning •Cross-Platform **Development** •Firmware Debugging ... 66 66 67 Chapter 4: The **Development** Environment . . ...
Cited by 9 - Web Search - Library Search

[PS] Storage Area Networks and SANTK
S Strand - University of Minnesota, 2001 - borg.umn.edu
... like digital video and digitized **medical** scans generate ... a topology image, and a **graphical** and textual ... chitectures is also under **development** that will allow the ...
Cited by 3 - View as HTML - Web Search - borg.umn.edu - gfs.lcse.umn.edu

[BOOK] Be a Woman: Hayashi Fumiko and Modern Japanese Women's Literature
JE Ericson - 1997 - print.google.com
... And since women who receive roughly comparable nutrition and **medical** care as men ... grateful to many faculty who advised me on its con- ception and **development**. ...
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1 A distributed 3D graphics library

Blair MacIntyre, Steven Feiner

July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press

Full text available: pdf(355.83 KB) Additional Information: full citation, references, citings, index terms

Keywords: distributed shared memory, distributed virtual environments, object-oriented graphics, shared-data object model

2 DACIA: a mobile component framework for building adaptive distributed applications

Radu Litiu, Atul Prakash

April 2001 **ACM SIGOPS Operating Systems Review**, Volume 35 Issue 2

Publisher: ACM Press

Full text available: pdf(1.46 MB) Additional Information: full citation, abstract, index terms

Future distributed applications will need to support computing devices with a wide range of capabilities, varying network connectivity, increasing mobility of users, and a wide variation in load placed by clients on services. This paper presents DACIA, a framework for building adaptive distributed applications. In DACIA, distributed applications are viewed as consisting of connected components that typically implement data streaming, processing, and filtering functions. DACIA provides mechanisms ...

3 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

December 1998 **Working Group reports of the 3rd annual SIGCSE/SIGCUE ITiCSE**

conference on Integrating technology into computer science education
Publisher: ACM Press
Full text available: pdf(107.98 KB) Additional Information: full citation, references, citings, index terms

4 Special issue on persistent object systems: Orthogonally persistent object systems
Malcolm Atkinson, Ronald Morrison
July 1995 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 4 Issue 3
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(5.02 MB) Additional Information: full citation, abstract, references, citings

Persistent Application Systems (PASs) are of increasing social and economic importance. They have the potential to be long-lived, concurrently accessed, and consist of large bodies of data and programs. Typical examples of PASs are CAD/CAM systems, office automation, CASE tools, software engineering environments, and patient-care support systems in hospitals. Orthogonally persistent object systems are intended to provide improved support for the design, construction, maintenance, and operation o ...

Keywords: database programming languages, orthogonal persistence, persistent application systems, persistent programming languages

5 Java resources for computer science instruction
Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta
October 1998 **ACM SIGCUE Outlook**, Volume 26 Issue 4
Publisher: ACM Press
Full text available: pdf(2.23 MB) Additional Information: full citation, abstract, references, index terms

The goal of this working group was to collect, evaluate, and foster the development of resources to serve as components of both new and revised traditional courses that emphasize object-oriented software development using Java. These courses could, for example, integrate Internet-based distributed programming, concurrency, database programming, graphics and visualization, human interface design and object-oriented development. They could therefore also be suitable as capstone courses in computer ...

6 Java resources for computer science instruction
Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta
December 1998 **ACM SIGCSE Bulletin**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(2.29 MB) Additional Information: full citation, abstract, citings, index terms

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7 Flexible collaboration transparency: supporting worker independence in replicated application-sharing systems

James Begole, Mary Beth Rosson, Clifford A. Shaffer

June 1999 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 6 Issue 2

Publisher: ACM Press

Full text available: pdf(312.22 KB) Additional Information: full citation, abstract, references, citings, index terms, review

This article presents a critique of conventional collaboration transparency systems, also called "application-sharing" systems, which provide the real-time shared use of legacy single-user applications. We find that conventional collaboration transparency systems are inefficient in their use of network resources and lack support for key groupware principles: concurrent work, relaxed WYSIWIS, and group awareness. Next, we present an alternative approach to implementing collaborat ...

Keywords: Flexible JAMM, Java, application sharing, collaboration transparency, computer-supported cooperative work, groupware, usability

8 The Rendezvous architecture and language for constructing multiuser applications

Ralph D. Hill, Tom Brinck, Steven L. Rohall, John F. Patterson, Wayne Wilner

June 1994 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 1 Issue 2

Publisher: ACM Press

Full text available: pdf(3.25 MB) Additional Information: full citation, abstract, references, citings, index terms, review

When people have meetings or discussions, frequently they use conversational props: physical models, drawings, or other concrete representations of information used to enhance the exchange of information. If the participants are geographically separated, it is difficult to make effective use of props since each physical prop can only exist in one place. Computer applications that allow two or more users to simultaneously view and manipulate the same data can be used to augm ...

Keywords: CSCW, UIMS, constraint maintenance, synchronous groupware

9 Software components for computer algebra

Pietro Iglio, Giuseppe Attardi

August 1998 **Proceedings of the 1998 international symposium on Symbolic and algebraic computation**

Publisher: ACM Press

Full text available: pdf(227.32 KB) Additional Information: full citation, references, citings, index terms

10 Object orientation in multidatabase systems
Evaggelia Pitoura, Omran Bukhres, Ahmed Elmagarmid
June 1995 **ACM Computing Surveys (CSUR)**, Volume 27 Issue 2
Publisher: ACM Press
Full text available: pdf(4.85 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A multidatabase system (MDBS) is a confederation of preexisting distributed, heterogeneous, and autonomous database systems. There has been a recent proliferation of research suggesting the application of object-oriented techniques to facilitate the complex task of designing and implementing MDBSs. Although this approach seems promising, the lack of a general framework impedes any further development. The goal of this paper is to provide a concrete analysis and categorization of the various ...

Keywords: distributed objects, federated databases, integration, multidatabases, views

11 A mediation infrastructure for digital library services
Sergey Melnik, Hector Garcia-Molina, Andreas Paepcke
June 2000 **Proceedings of the fifth ACM conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(155.30 KB) Additional Information: full citation, abstract, references, citings, index terms

Digital library mediators allow interoperation between diverse information services. In this paper we describe a flexible and dynamic mediator infrastructure that allows mediators to be composed from a set of modules (``blades''). Each module implements a particular mediation function, such as protocol translation, query translation, or result merging. All the information used by the mediator, including the mediator logic itself, is represented by an RDF graph.We i ...

Keywords: component design, interoperability, mediator, wrapper

12 Building real-time groupware with GroupKit, a groupware toolkit
Mark Roseman, Saul Greenberg
March 1996 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 3 Issue 1
Publisher: ACM Press
Full text available: pdf(2.74 MB) Additional Information: full citation, abstract, references, citings, index terms, review

This article presents an overview of GroupKit, a groupware toolkit that lets developers build applications for synchronous and distributed computer-based conferencing. GroupKit was constructed from our belief that programming groupware should be only slightly harder than building functionally similar single-user systems. We have been able to significantly reduce the implementation complexity of groupware through the key features that comprise GroupKit. A runtime infrastructure
Keywords: GroupKit, computer-supported cooperative work, groupware toolkits, synchronous groupware, user interface toolkits

13 Building distributed, multi-user applications by direct manipulation
Krishna Bharat, Marc H. Brown
November 1994 **Proceedings of the 7th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available: pdf(1.27 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes Visual Obliq, a user interface development environment for constructing distributed, multi-user applications. Applications are created by designing the interface with a GUI-builder and embedding callback code in an interpreted language, in much the same way as one would build a traditional (non-distributed, single-user) application with a modern user interface development environment. The resulting application can be run from within the GUI-builder for rapid turnaround ...

Keywords: CSCW, GUI-builders, UIMS, application builders, distributed applications, groupware

14 Web-based and Java-based simulation: Finding a substrate for federated components on the web
John A. Miller, Andrew F. Seila, Junxiu Tao
December 2000 **Proceedings of the 32nd conference on Winter simulation**
Publisher: Society for Computer Simulation International
Full text available: pdf(85.61 KB) Additional Information: full citation, abstract, references

Recent developments in software component technology have renewed the promise of reusable software. Combining this with the possibilities of sharing simulation results and models using the Internet makes these new developments all the more important, particularly for Web-Based Simulation. Interoperability standards and data interchanges standards (e.g., XML) help facilitate having simulation models interact with other simulation models as well as other information technology components. This pap ...

15 Developing adaptive groupware applications using a mobile component framework
Radu Litiu, Atul Parakash
December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**
Publisher: ACM Press
Full text available: pdf(168.38 KB) Additional Information: full citation, abstract, references, citings, index terms

A need exists to develop groupware systems that adapt to available resources and support user mobility. This paper presents DACIA, a system that provides mechanisms for building such groupware applications. Using DACIA, components of a groupware application can be moved tc different hosts during execution, while maintaining communication connectivity with groupware services and other users. DACIA provides mechanisms that simplify building groupware for domains where users are mobile. New co ...

16 Symbolic computation in Java: an appraisement
Laurent Bernardin, Bruce Char, Erich Kaltofen
July 1999 **Proceedings of the 1999 international symposium on Symbolic and algebraic**

computation
Publisher: ACM Press
Full text available: pdf(1.05 MB) Additional Information: full citation, references, citings, index terms

17 Software components using symbolic computation for problem solving environments
Y. N. Lakshman, Bruce Char, Jeremy Johnson
August 1998 **Proceedings of the 1998 international symposium on Symbolic and algebraic computation**
Publisher: ACM Press
Full text available: pdf(319.23 KB) Additional Information: full citation, references, citings, index terms

18 Tools for building asynchronous servers to support speech and audio applications
Barry Arons
December 1992 **Proceedings of the 5th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available: pdf(946.22 KB) Additional Information: full citation, abstract, references, citings, index terms

Distributed client/server models are becoming increasingly prevalent in multimedia systems and advanced user interface design. A multimedia application, for example, may play and record audio, use speech recognition input, and use a window system for graphical I/O. The software architecture of such a system can be simplified if the application communicates to multiple servers (e.g., audio servers, recognition servers) that each manage different types of input and output. This paper describe ...

Keywords: asynchronous message passing, audio servers, distributed client-server architecture, remote procedure call, speech and studio applications, speech recognition and synthesis

19 A software model and specification language for non-WIMP user interfaces
Robert J. K. Jacob, Leonidas Deligiannidis, Stephen Morrison
March 1999 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 6 Issue 1
Publisher: ACM Press
Full text available: pdf(574.62 KB) Additional Information: full citation, abstract, references, citings, index terms

We present a software model and language for describing and programming the fine-grained aspects of interaction in a non-WIMP user interface, such as a virtual environment. Our approach is based on our view that the essence of a non-WIMP dialogue is a set of continuous relationships—most of which are temporary. The model combines a data-flow or constraint-like component for the continuous relationships with an event-based component for discrete interactions, which can enable or diabl ...

Keywords: PMIW, interaction techiques, non-WIMP interface, specification language, state transition diagram, user interface management system (UIMS)

20 A graphic parallelizing environment for user-compiler interaction

C. R. Calidonna, M. Giordano, M. Mango Furnari
May 1999 **Proceedings of the 13th international conference on Supercomputing**
Publisher: ACM Press
Full text available: pdf(2.66 MB) Additional Information: full citation, references, index terms

Keywords: OpenMP, compilers, graphics tools, intermediate representations, parallel computing

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1 Special issue on persistent object systems: Orthogonally persistent object systems
Malcolm Atkinson, Ronald Morrison
July 1995 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 4 Issue 3
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(5.02 MB) Additional Information: full citation, abstract, references, citings

Persistent Application Systems (PASs) are of increasing social and economic importance. They have the potential to be long-lived, concurrently accessed, and consist of large bodies of data and programs. Typical examples of PASs are CAD/CAM systems, office automation, CASE tools, software engineering environments, and patient-care support systems in hospitals. Orthogonally persistent object systems are intended to provide improved support for the design, construction, maintenance, and operation o ...

Keywords: database programming languages, orthogonal persistence, persistent application systems, persistent programming languages

2 Types and persistence in database programming languages
Malcolm P. Atkinson, O. Peter Buneman
June 1987 **ACM Computing Surveys (CSUR)**, Volume 19 Issue 2
Publisher: ACM Press
Full text available: pdf(7.91 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Traditionally, the interface between a programming language and a database has either been through a set of relatively low-level subroutine calls, or it has required some form of embedding of one language in another. Recently, the necessity of integrating database and programming language techniques has received some long-overdue recognition. In response, a number of attempts have been made to construct programming languages with completely integrated database management systems. These lang ...

3 A composable framework for secure multi-modal access to internet services from Post-PC devices
Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric A. Brewer
October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(340.33 KB) Additional Information: full citation, abstract, references, index terms, review

The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and voice based vehicle telematics. However, existing deployed Internet services are geared toward the secure rich interface of private desktop computers. We propose the use of an infrastructure-based secure proxy architecture to bridge the gap between the capabilities of Post-PC devices and the requirements of Internet ser ...

Keywords: internet, middleware, post-PC, security, transcoding

4 Realizing OpenGL: two implementations of one architecture
Mark J. Kilgard
August 1997 **Proceedings of the ACM SIGGRAPH/EUROGRAPHICS workshop on Graphics hardware**
Publisher: ACM Press
Full text available: pdf(1.66 MB) Additional Information: full citation, references, citings, index terms

Keywords: O2, OpenGL, graphics hardware architecture, infinite-reality

5 Supporting application development in the semantic web
Daniel Oberle, Steffen Staab, Rudi Studer, Raphael Volz
May 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 2
Publisher: ACM Press
Full text available: pdf(1.89 MB) Additional Information: full citation, abstract, references, index terms

The Semantic Web augments the current WWW by giving information a well-defined meaning, better enabling computers and people to work in cooperation. This is done by adding machine understandable content to Web resources. Such added content is called metadata, whose semantics is provided by referring to an ontology---a domain's conceptualization agreed upon by a community. The Semantic Web relies on the complex interaction of several technologies involving ontologies. Therefore, sophisticated Sem ...

Keywords: Application server, KAON, KAON SERVER, Semantic Web, Wonder-Web, extensibility, interoperation, middleware, ontology, reuse, semantic middleware

6 Federated database systems for managing distributed, heterogeneous, and autonomous databases
Amit P. Sheth, James A. Larson

September 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 3
Publisher: ACM Press
Full text available: pdf(5.02 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A federated database system (FDBS) is a collection of cooperating database systems that are autonomous and possibly heterogeneous. In this paper, we define a reference architecture for distributed database management systems from system and schema viewpoints and show how various FDBS architectures can be developed. We then define a methodology for developing one of the popular architectures of an FDBS. Finally, we discuss critical issues related to developing and operating an FDBS.

7 Interactive Exploration of Large Remote Micro-CT Scans
Steffen Prohaska, Andrei Hutanu, Ralf Kahler, Hans-Christian Hege
October 2004 **Proceedings of the conference on Visualization '04**
Publisher: IEEE Computer Society
Full text available: pdf(597.53 KB) Additional Information: full citation, abstract

Datasets of tens of gigabytes are becoming common in computational and experimental science. This development is driven by advances in imaging technology, producing detectors with growing resolutions, as well as availability of cheap processing power and memory capacity in commodity-based computing clusters. In this article we describe the design of a visualization system that allows scientists to interactively explore large remote data sets in an efficient and flexible way. The system is broadl ...

Keywords: large data, out-of-core-methods, remote visualization, multiresolution visualization

8 Logical models of argument
Carlos Iván Chesñevar, Ana Gabriela Maguitman, Ronald Prescott Loui
December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4
Publisher: ACM Press
Full text available: pdf(387.16 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Logical models of arguement formalize commonsense reasoning while taking process and computation seriously. This survey discusses the main ideas that characterize different logical models of argument. It presents the formal features of a few features of a few main approaches to the modeling of argumentation. We trace the evolution of argumentation from the mid-1980s, when argument systems emerged as an alternative to nonmonotonic formalisms based on classical logic, to the present, as argum ...

Keywords: argumentation, argumentative systems, defeasible argumentation, defeasible reasoning, reasoning

9 MOVE:: component groupware foundations for collaborative virtual environments
Pedro García, Oriol Montalà, Carles Pairot, Robert Rallo, Antonio Gómez Skarmeta
September 2002 **Proceedings of the 4th international conference on Collaborative virtual environments**

Publisher: ACM Press

Full text available: pdf(607.34 KB) Additional Information: full citation, abstract, references, index terms

The design of a Virtual Environment (VE) is a distributed problem of multi-user access to shared resources. Such problem requires careful design decisions in order to provide a seamless system infrastructure capable of supporting flexible interactions in the shared scenarios.The complexity of this domain has led to intricate software systems that provide ad-hoc solutions to specific problems. Furthermore, many of them have gone to a dead end, due to their non-extensible design and their lack of ...

Keywords: component groupware, distributed systems, frameworks, virtual environments

10 Parallel execution of prolog programs: a survey

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo

July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(1.95 MB) Additional Information: full citation, abstract, references, citings, index terms

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computatio ...

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog

11 Collaboration transparency in the DISCIPLE framework

Wen Li, Weicong Wang, Ivan Marsic

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

Publisher: ACM Press

Full text available: pdf(2.04 MB) Additional Information: full citation, abstract, references, index terms

Sharing single-user software applications is a major goal of synchronous groupware particularly because the majority of applications continues to be developed for single users. We present a mechanism for sharing collaboration-transparent single-user applications in our DISCIPLE collaboration framework. DISCIPLE is the equivalent of a Web browser that allows sharing applets (Java components, both transparent and aware of collaboration). It allows users with no programming background to quick ...

Keywords: CSCW frameworks, JavaBeans, collaboration-transparent applications, synchronous groupware

12 A distributed 3D graphics library
Blair MacIntyre, Steven Feiner
July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press
Full text available: pdf(355.83 KB) Additional Information: full citation, references, citings, index terms

Keywords: distributed shared memory, distributed virtual environments, object-oriented graphics, shared-data object model

13 The process group approach to reliable distributed computing
Kenneth P. Birman
December 1993 **Communications of the ACM**, Volume 36 Issue 12
Publisher: ACM Press
Full text available: pdf(6.00 MB) Additional Information: full citation, references, citings, index terms

Keywords: fault-tolerant process groups, message ordering, multicast communication

14 Supercomputing with transputers—past, present and future
Anthony J. G. Hey
June 1990 **ACM SIGARCH Computer Architecture News , Proceedings of the 4th international conference on Supercomputing ICS '90**, Volume 18 Issue 3b
Publisher: ACM Press
Full text available: pdf(1.24 MB) Additional Information: full citation, abstract, references, citings, index terms

The paper traces the development of large multi-transputer systems for high-performance scientific and engineering computing. After defining what we mean by 'supercomputing' in the context of this paper, the past and present state of transputer supercomputing environments is illustrated by a discussion of three specific projects. These are the Esprit 'SuperNode' project or P1085, the Edinburgh Concurrent Supercomputer project and the Victor project at IBM Research in Yorktown Heights. The p ...

15 Posters: Scopira: an open source C++ framework for biomedical data analysis applications -- a research project report
Aleksander B. Demko, Rodrigo A. Vivanco, Nick J. Pizzi
October 2005 **Companion to the 20th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '05**
Publisher: ACM Press
Full text available: pdf(146.81 KB) Additional Information: full citation, abstract, references, index terms

In MRI research labs, algorithms are typically implemented in MATLAB or IDL. If performance is an issue they are ported to C and integrated with interpreted systems, not fully utilizing object-oriented software development. This paper presents Scopira, an open source C++ framework suitable for MRI data analysis and visualization.

16 On the semantics of "now" in databases

James Clifford, Curtis Dyreson, Tomás Isakowitz, Christian S. Jensen, Richard Thomas Snodgrass
June 1997 **ACM Transactions on Database Systems (TODS)**, Volume 22 Issue 2
Publisher: ACM Press
Full text available: pdf(819.31 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Although "now" is expressed in SQL and CURRENT_TIMESTAMP within queries, this value cannot be stored in the database. How ever, this notion of an ever-increasing current-time value has been reflected in some temporal data models by inclusion of database-resident variables, such as "now" "until-changed, " "**," "@," and "-". Time variables are very desirable, but their u ...

Keywords: Now, SQL, TSQL2, indeterminacy, now-relative value, temporal query languge

17 Semantic integration in complex systems: collective behavior in business rules and software transactions

Haim Kilov, Bill Harvey, Kevin Tyson
October 1995 **ACM SIGPLAN OOPS Messenger , Addendum to the proceedings of the 10th annual conference on Object-oriented programming systems, languages, and applications (Addendum) OOPSLA '95**, Volume 6 Issue 4
Publisher: ACM Press
Full text available: pdf(792.12 KB) Additional Information: full citation, references

18 A high-speed network interface for distributed-memory systems: architecture and applications

Peter Steenkiste
February 1997 **ACM Transactions on Computer Systems (TOCS)**, Volume 15 Issue 1
Publisher: ACM Press
Full text available: pdf(993.12 KB) Additional Information: full citation, abstract, references, index terms, review

Distributed-memory systems have traditionally had great difficulty performing network I/O at rates proportional to their computational power. The problem is that the network interface has to support network I/O for a supercomputer, using computational and memory bandwidth resources similar to those of a workstation. As a result, the network interface becomes a bottleneck. In this article we present an I/O architecture that addresses these problems and supports high-speed network I/O on dist ...

Keywords: I/O architecture, application-managed I/O, data reshuffling, distributed memory systems, network interface, outboard buffering, protocol processing, resource management

19 Analysis analyzed: Micro patterns in Java code

Joseph (Yossi) Gil, Itay Maman

October 2005 **Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming systems languages and applications OOPSLA '05**

Publisher: ACM Press

Full text available: pdf(322.39 KB) Additional Information: full citation, abstract, references, index terms

Micro patterns are similar to *design patterns*, except that micro patterns are stand at a lower, closer to the implementation, level of abstraction. Micro patterns are also unique in that they are mechanically recognizable, since each such pattern can be expressed as a formal condition on the structure of a class.This paper presents a catalog of 27 micro-patterns defined on Java classes and interfaces. The catalog captures a wide spectrum of common programming practices, including a partic ...

Keywords: design patterns, implementation patterns, object-oriented programming, program analysis

20 CMAPS: a cosynthesis methodology for application-oriented parallel systems

Pao-Ann Hsiung

January 2000 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 5 Issue 1

Publisher: ACM Press

Full text available: pdf(209.29 KB) Additional Information: full citation, abstract, references, citings, index terms

Currently, a lot of research is devoted to system design, and little work is done on requirements analysis. Besides going from specification to design, one of our main objectives is to show how an application problem can be transformed into specifications. Working from the hardware-software codesign perspective, a system is designed starting from an application problem itself, rather than the detailed behavioral specifications. Given an application problem ...

Keywords: application-oriented general-purpose multiprocessors, hardware-software modeling and cosynthesis, requirements analysis